# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 336 | "215"/$.ccls. and ((cap or closure) with (seal$3 or dis$3 or liner) with vent$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/02 14:55 |
| S2 | 27 | ("2162455" \| "2608841" \| "2739724" \| "3589545" \| "3696958" \| "3717276" \| "3944104" \| "3976216" \| "4121728" \| "4190170" \| "4598835" \| "4789074" \| "4880127" \| "5152419" \| "5257708" \| "5460763" \| "5542585" \| "5730306" \| "5743420" \| "5785196" \| "5803286" \| "5853096" \| "5961010" \| "5996859").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/02 14:19 |
| S3 | 3 | ("6202870").URPN. | USPAT | OR | ON | 2006/03/02 14:20 |
| S4 | 33 | ("1610583" \| "1645158" \| "2085934" \| "2109805" \| "2705346" \| "2906421" \| "3589545" \| "4121728" \| "4269321" \| "4378893" \| "4407422" \| "4418828" \| "4448320" \| "4458822" \| "4493427" \| "4506795" \| "4747502" \| "4785952" \| "4818577" \| "4984703" \| "5098629" \| "5240131" \| "5265747" \| "5289932" \| "5356021" \| "5462187" \| "5650113").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/02 14:25 |
| S5 | 17 | ("2449014" \| "3110409" \| "3270904" \| "3360148" \| "3373889" \| "3607362" \| "3690497" \| "3966071" \| "3967746" \| "4694970" \| "4880127" \| "4993572").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/02 14:34 |
| S6 | 19 | ("5062538").URPN. | USPAT | OR | ON | 2006/03/02 14:37 |
| S7 | 6 | ("2162455" \| "2735565" \| "3114467").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/02 14:47 |
| S8 | 20 | ("3589545").URPN. | USPAT | OR | ON | 2006/03/02 14:48 |
| S9 | 20 | ("3589545").URPN. | USPAT | OR | ON | 2006/03/02 14:50 |
| S10 | 553 | "220"/$.ccls. and ((cap or closure) with (seal$3 or dis$3 or liner) with vent$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/02 14:56 |
| S11 | 426 | S10 not S1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/02 15:07 |

| S12 | 831 | 215/363,364.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/02 15:10 |
|-----|-----|-------------------|----------------------------------|-----|-----|------------------|
| S13 | 228 | 215/347 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/02 15:10 |
| S14 | 41 | ("1740881" \| "1985437" \| "3067015" \| "3198163" \| "3414151" \| "3433380" \| "3480402" \| "3595419" \| "3924772" \| "4057159" \| "4093094" \| "4122964" \| "4396655" \| "4418834" \| "4436213" \| "4462502" \| "4505399" \| "4616761" \| "4640428" \| "4673096" \| "4678082" \| "4722451" \| "4737463" \| "4747497" \| "4782968" \| "4812317" \| "4877143" \| "4887730" \| "5033633" \| "5152412" \| "5197618" \| "5240131" \| "5372268" \| "5458896").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/02 15:16 |
| S15 | 12 | ("5839592").URPN. | USPAT | OR | ON | 2006/03/02 15:18 |
| S16 | 12 | ("5839592").URPN. | USPAT | OR | ON | 2006/03/02 15:29 |
| S17 | 2 | "6874647" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/02 15:46 |
| S18 | 51 | "4801031" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/03 09:56 |
| S19 | 38 | "5400913" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/03 10:06 |
| S20 | 34 | ("4511053" \| "4664278" \| "4732289" \| "4801031" \| "4813561" \| "4875594" \| "4978016" \| "4981230" \| "5076453" \| "5078290" \| "5105960" \| "5190178" \| "5285912" \| "5307945" \| "5307946" \| "5346082" \| "5400913" \| "5415306" \| "5456376" \| "5465876" \| "5480045" \| "5533633" \| "5570798" \| "5609262" \| "5660288" \| "5685443" \| "5727705" \| "5749484" \| "5775527" \| "6015054" \| "6116442" \| "6119883" \| "6152316" \| "6276543").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/03 10:07 |

# EAST Search History

| S21 | 1 | ("6766916").URPN. | USPAT | OR | ON | 2006/03/03 10:12 |
|---|---|---|---|---|---|---|
| S22 | 22 | ("2362421" \| "4478343" \| "4546892" \| "4550844" \| "4657153" \| "4801030" \| "4801031" \| "4807771" \| "4813561" \| "4848614" \| "4981230" \| "5007545" \| "5050753" \| "5058755" \| "5080246" \| "5129530" \| "5400913" \| "5570798" \| "5775527" \| "5779075" \| "6109464").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/03 10:14 |
| S23 | 39 | ("2600703" \| "2623657" \| "4084717" \| "4275817" \| "4387817" \| "4392055" \| "4444327" \| "4456137" \| "4553678" \| "4669624" \| "4799597" \| "4936474" \| "5135124" \| "5213225" \| "5219084" \| "5320233" \| "5411157" \| "5443175" \| "5454476" \| "5533633" \| "5588545" \| "5590799" \| "5611443" \| "5638969" \| "5667088" \| "5676268" \| "5743419" \| "5769254" \| "5788101" \| "5794806" \| "5819965" \| "5836465" \| "D327644" \| "D329980" \| "D364808" \| "D381907" \| "D392187").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/03 10:16 |
| S24 | 15 | ("2054012" \| "2162713" \| "3001657" \| "3484012" \| "4458821" \| "4506795" \| "4530438" \| "4753360" \| "4923073" \| "4936474" \| "5137163").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/03 10:19 |
| S25 | 15 | ("2054012" \| "2162713" \| "3001657" \| "3484012" \| "4458821" \| "4506795" \| "4530438" \| "4753360" \| "4923073" \| "4936474" \| "5137163").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/03 10:20 |
| S26 | 9 | ("5660288").URPN. | USPAT | OR | ON | 2006/03/03 10:23 |
| S27 | 10 | ("4666053" \| "4756438" \| "5050753" \| "5137163" \| "5167335" \| "5205426" \| "5533633" \| "5564582" \| "5660288" \| "5667088").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/03 10:24 |
| S28 | 10 | ("4666053" \| "4756438" \| "5050753" \| "5137163" \| "5167335" \| "5205426" \| "5533633" \| "5564582" \| "5660288" \| "5667088").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/03 10:25 |
| S29 | 6 | ("5860542").URPN. | USPAT | OR | ON | 2006/03/03 10:25 |

| S30 | 20 | ("2600703" \| "2623657" \| "4084717" \| "4275817" \| "4387817" \| "4392055" \| "4444327" \| "4456137" \| "4553678" \| "4669624" \| "4799597" \| "4936474" \| "5135124" \| "5213225" \| "5219084" \| "5320233" \| "D327644" \| "D329980").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/03 10:26 |
|-----|-----|------|------|-----|-----|------|
| S31 | 37 | ("2423582" \| "3199702" \| "3415403" \| "3904061" \| "4180175" \| "4345690" \| "4345691" \| "4418828" \| "4423820" \| "4497765" \| "4534480" \| "4592476" \| "4609115" \| "4630743" \| "4635808" \| "4638917" \| "4813561" \| "4818828" \| "4978017" \| "5190177" \| "5205426" \| "5307946" \| "5314085" \| "5346082" \| "5480045" \| "5829611" \| "5860542" \| "5915579" \| "5950850" \| "6044992" \| "6056136" \| "6085921" \| "6109465" \| "6112923").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/03 10:48 |
| S32 | 77 | ("20010002661"\|"20020033374"\|"3199702"\|"4326639"\|"4402415"\|"4550844"\|"4598835"\|"4638917"\|"4657153"\|"4739893"\|"4971212"\|"4971213"\|"5040692"\|"5050753"\|"5056675"\|"5090581"\|"5090788"\|"5197621"\|"5263600"\|"5314085"\|"5356019"\|"5400913"\|"5414306"\|"5533633"\|"5715959"\|"5749201"\|"5749484"\|"5782369"\|"5860542"\|"5913437"\|"5915579"\|"5964139"\|"6109464"\|"6112923"\|"6116443"\|"6484896"\|"6557714").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/03 10:48 |
| S33 | 17 | ("2449014" \| "3110409" \| "3270904" \| "3360148" \| "3373889" \| "3607362" \| "3690497" \| "3966071" \| "3967746" \| "4694970" \| "4880127" \| "4993572").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/28 15:02 |
| S34 | 6 | ("3967746" \| "4121729" \| "4565295" \| "4705183" \| "4749094" \| "4813561").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/28 15:03 |

| S35 | 41 | ("1740881" \| "1985437" \| "3067015" \| "3198163" \| "3414151" \| "3433380" \| "3480402" \| "3595419" \| "3924772" \| "4057159" \| "4093094" \| "4122964" \| "4396655" \| "4418834" \| "4436213" \| "4462502" \| "4505399" \| "4616761" \| "4640428" \| "4673096" \| "4678082" \| "4722451" \| "4737463" \| "4747497" \| "4782968" \| "4812317" \| "4877143" \| "4887730" \| "5033633" \| "5152412" \| "5197618" \| "5240131" \| "5372268" \| "5458896").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/28 15:03 |
|---|---|---|---|---|---|---|
| S36 | 4 | ("2270729" \| "2427819").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/28 15:05 |
| S37 | 17 | ("3924772").URPN. | USPAT | OR | ON | 2006/03/28 15:05 |
| S38 | 30 | ("20030098286" \| "2456607" \| "2619246" \| "3434615" \| "3709395" \| "3760969" \| "3924772" \| "4128184" \| "4554125" \| "4723678" \| "4747500" \| "4813561" \| "4880127" \| "5031787" \| "5314084" \| "5346082" \| "5579936" \| "5819968" \| "5868264" \| "5950638" \| "5984124" \| "6142325" \| "6276543" \| "6286699" \| "6371318" \| "6399170" \| "6662958").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/28 15:05 |
| S39 | 4 | ("1985703" \| "3499568").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/28 15:07 |
| S40 | 25 | ("3499568").URPN. | USPAT | OR | ON | 2006/03/28 15:08 |
| S41 | 2 | ("1985703").URPN. | USPAT | OR | ON | 2006/03/28 15:12 |
| S42 | 12 | ("3709395").URPN. | USPAT | OR | ON | 2006/03/28 15:12 |
| S43 | 25 | ("3434615").URPN. | USPAT | OR | ON | 2006/03/28 15:14 |
| S44 | 6 | ("3967746" \| "4121729" \| "4565295" \| "4705183" \| "4749094" \| "4813561").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/28 17:32 |
| S45 | 11 | ("4121729").URPN. | USPAT | OR | ON | 2006/03/28 17:33 |
| S46 | 15 | ("4880127").URPN. | USPAT | OR | ON | 2006/03/28 17:35 |
| S47 | 51 | "4462502" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/03/29 10:10 |
| S48 | 10 | ("2032931" \| "2270729" \| "2449014" \| "3114467" \| "4093094" \| "4880127").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/19 15:02 |

| S49 | 12 | ("4993572").URPN. | USPAT | OR | ON | 2006/09/19 15:03 |
|---|---|---|---|---|---|---|
| S50 | 19 | ("5062538").URPN. | USPAT | OR | ON | 2006/09/19 15:04 |
| S51 | 23 | ("1740881" \| "2144287" \| "3930589" \| "4093094" \| "4289248" \| "4402418" \| "4609115" \| "4694969" \| "4694970" \| "4801029" \| "4809858" \| "4813561" \| "4875594" \| "4880127" \| "4981230" \| "5009324" \| "5027964" \| "5031787" \| "5040692" \| "5062538" \| "5078290").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/19 15:07 |
| S52 | 6 | ("3967746" \| "4121729" \| "4565295" \| "4705183" \| "4749094" \| "4813561").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/19 15:10 |
| S53 | 16 | ("4880127").URPN. | USPAT | OR | ON | 2006/09/19 15:10 |
| S54 | 47 | ("0660739" \| "1186900" \| "1670450" \| "1762342" \| "1837618" \| "1916977" \| "1966273" \| "1979458" \| "2016936" \| "2018061" \| "2055625" \| "2068389" \| "2131774" \| "2131775" \| "2188946" \| "2388738" \| "2646183" \| "2721686" \| "3122990" \| "3489307" \| "3501042" \| "3612325" \| "3709395" \| "3924772" \| "3968823" \| "4176757").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/19 15:15 |
| S55 | 24 | ("4747500").URPN. | USPAT | OR | ON | 2006/09/19 15:17 |
| S56 | 9 | ("2116421" \| "3664535" \| "4586519" \| "4747500" \| "5542561" \| "5707823" \| "5761506").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/19 15:18 |
| S57 | 5 | ("5950638").URPN. | USPAT | OR | ON | 2006/09/19 15:18 |
| S58 | 22 | ("0637981" \| "0730500" \| "1152107" \| "1396723" \| "1832669" \| "2116421" \| "3172559" \| "3428208" \| "4106655" \| "4109815" \| "4308965" \| "4585135" \| "4697716" \| "4747500").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/19 15:19 |
| S59 | 25 | ("3499568").URPN. | USPAT | OR | ON | 2006/09/19 15:21 |
| S60 | 30 | ("20030098286" \| "2456607" \| "2619246" \| "3434615" \| "3709395" \| "3760969" \| "3924772" \| "4128184" \| "4554125" \| "4723678" \| "4747500" \| "4813561" \| "4880127" \| "5031787" \| "5314084" \| "5346082" \| "5579936" \| "5819968" \| "5868264" \| "5950638" \| "5984124" \| "6142325" \| "6276543" \| "6286699" \| "6371318" \| "6399170" \| "6662958").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/19 15:24 |

| S61 | 4 | ("2270729" \| "2427819").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/19 16:04 |
|-----|-----|---------------------------|------------------------|-----|-----|------------------|
| S62 | 17 | ("3924772").URPN. | USPAT | OR | ON | 2006/09/19 16:05 |

# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 12 | (cap and orifice and seal and plug and ring).clm. | US-PGPUB | OR | ON | 2006/09/19 16:22 |
| S1 | 14 | ("5358872"\|"5391496"\|"5578491"\|"5595907"\|"5622865"\|"5695987"\|"5766936").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/07 11:00 |
| S2 | 16 | ("3924772"\|"4128184"\|"4423821"\|"4462502"\|"4747500"\|"5092477").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/07 11:04 |
| S3 | 30 | ("2619246"\|"3709395"\|"3924772"\|"4128184"\|"4747500"\|"4813561"\|"5346082"\|"5819968"\|"5950638"\|"6276543"\|"6371318"\|"6399170").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/07 11:07 |
| S4 | 23 | ("2456607"\|"3924772"\|"4723678"\|"4880127"\|"5031787"\|"5314084"\|"5579936"\|"5984124"\|"6142325"\|"6662958").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/07 11:13 |
| S5 | 12 | ("3434615"\|"3760969"\|"4554125"\|"5868264"\|"6286699").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/09/07 11:13 |
| S6 | 4 | ("2270729" \| "2427819").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/07 11:34 |
| S7 | 17 | ("3924772").URPN. | USPAT | OR | ON | 2005/09/07 11:35 |
| S8 | 17 | ("3924772").URPN. | USPAT | OR | ON | 2005/09/07 11:37 |
| S9 | 9 | ("2116421" \| "3664535" \| "4586519" \| "4747500" \| "5542561" \| "5707823" \| "5761506").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/07 11:38 |
| S10 | 4 | ("5950638").URPN. | USPAT | OR | ON | 2005/09/07 11:39 |
| S11 | 41 | ("1710661" \| "2035832" \| "2148077" \| "2479854" \| "3117691" \| "3911936" \| "4347943" \| "4471880" \| "4569438" \| "4586519" \| "4681127" \| "4708259" \| "4801039" \| "4826014" \| "5205431" \| "5425469" \| "5431177" \| "5531349" \| "5669400" \| "5769234" \| "5842486" \| "5875918" \| "5884636" \| "5906212" \| "5931169" \| "5950638" \| "6102209" \| "6173719" \| "6199559" \| "6298863" \| "6311701" \| "6336460" \| "D338086" \| "D368987" \| "D408590" \| "D424751").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/07 11:40 |

# EAST Search History

| S12 | 16 | ("2235101" \| "2456607" \| "2681742" \| "3438528" \| "3455478" \| "3788510" \| "4473163" \| "4971219" \| "4997097" \| "5421470" \| "5579936").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/07 11:43 |
|-----|-----|-----|-----|-----|-----|-----|
| S13 | 2 | ("5984124").URPN. | USPAT | OR | ON | 2005/09/07 11:44 |
| S14 | 8 | ("3888377" \| "4251003" \| "4429803" \| "4534482" \| "5085332" \| "5088612" \| "5143236" \| "5165560").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/07 11:44 |
| S15 | 25 | ("5314084").URPN. | USPAT | OR | ON | 2005/09/07 11:44 |
| S16 | 22 | ("3893582" \| "3904059" \| "4187149" \| "4211333" \| "4635807" \| "4664279" \| "4668458" \| "4754889" \| "4760935" \| "4770309" \| "4801033" \| "4801040" \| "4811855" \| "4815783" \| "4863030" \| "5080245" \| "5085332" \| "5125921" \| "5269429" \| "5303835" \| "5314084" \| "5316163").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/07 11:46 |
| S17 | 13 | ("4880127").URPN. | USPAT | OR | ON | 2005/09/07 11:47 |
| S18 | 6 | ("3967746" \| "4121729" \| "4565295" \| "4705183" \| "4749094" \| "4813561").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/07 11:49 |
| S19 | 52 | "4462502" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/09/19 10:58 |
| S20 | 39 | ("1335538" \| "1661977" \| "1862620" \| "2109805" \| "2439845" \| "2659511" \| "2665023" \| "2726001" \| "2738089" \| "3227303" \| "3243070" \| "3301425" \| "3480172" \| "3833142" \| "3913771" \| "3966082" \| "4037746" \| "4106622" \| "4121729" \| "4291813" \| "4303167" \| "4462502" \| "4699286" \| "4923072" \| "5085332" \| "5088612").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/19 11:00 |
| S21 | 19 | ("2068389" \| "2130749" \| "2409788" \| "2409789" \| "2550586" \| "3067900" \| "3331523" \| "3462034" \| "3536224" \| "4151924").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/19 14:57 |